

L3 ANSWER 1 OF 1 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
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DNN N1999-401816 DNC C1999-158452
TI Dry cold transfer printing medium for applying motifs e.g. onto vehicle
bodywork, aircraft tail or shop window.
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CYC 2

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NOVELTY - A dry cold transfer printing medium has a flexible peelable
backing film (1) with greater adhesion to a transfer pattern (2) than the
initial adhesion of the pattern (2) to a surface to be marked.

DETAILED DESCRIPTION - A dry cold transfer comprises a backing film
(1) bearing a marking pattern (2) of screen printed transfer layers (5-7),
the last of which is a self-adhesive layer (7), and a non-adherent
protective cover film (4). The novelty is that (a) the backing film (1)
has a continuous self-adhesive surface (3) for producing an adhesive force
to the first transfer layer (5) which is greater than the initial
immediate adhesive force of the self-adhesive surface (8) of the pattern
(2) to a surface to be marked; and (b) the backing foil is sufficiently
flexible to allow progressive peeling from the surface.

INDEPENDENT CLAIMS are also included for the following:

(i) a method of applying a marking pattern (2) especially onto a
smooth rigid surface by removing the protective film (4) from the above
transfer medium, applying the transfer medium onto a surface to be marked
and then progressively peeling away the backing film (1);

(ii) production of the above transfer medium by successively screen
transfer the pattern layers (5-7) onto the non-adhesive face of a
provisional transfer film, transferring the pattern (2) onto the
protective film (4) and applying the backing film (1).

USE - For applying motifs especially onto a rigid surface such as a
vehicle bodywork, an aircraft tail or a shop window.

ADVANTAGE - The transfer medium facilitates pattern application even
onto overhead surfaces or surfaces of complicated shape without manual
scraping under pressure, does not require special storage and/or handling
measures and is more resistant to deformation, folding and pressure than
conventional transfer media.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic
cross-sectional view of the transfer medium.

Backing film 1

Transfer pattern 2

Backing foil adhesive face 3

Protective film 4

First transfer layer 5

Intermediate transfer layer 6

Self-adhesive transfer layer 7

Transfer pattern self-adhesive face 8

Backing film non-adhesive face 9

Dwg. 1/7

FS CPI GMPI

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